



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants: Shelley et al.

Attorney Docket No.: BOEI-1-1211

Serial No.: 10/676,302

Group Art Unit: 2878

Filing Date: September 30, 2003

Examiner: Gabor, Otilia

Title: METHOD FOR MEASUREMENT OF COMPOSITE HEAT DAMAGE WITH
INFRARED SPECTROSCOPY

SUPPLMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. § 1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information related to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. § 1.56(b).

Since this Supplemental Information Disclosure Statement is being filed after three months of the filing date of the above-identified application, or after the mailing date of a first Office Action on the merits of the above-identified application, a check in the amount of \$180 is enclosed.

Respectfully submitted,

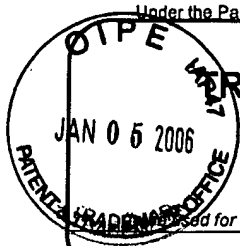
BLACK LOWE & GRAHAM^{PLLC}

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Registration No. 48,529
Direct Dial: 206.381.3300

01/06/2006 FFANAIA2 00000017 10676302

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180.00 DP



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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM

Use this form for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/676,302

Filing Date

September 30, 2003

First Named Inventor

Shelley, Paul H.

Art Unit

2878

Examiner Name

Gabor, Otilia

Attorney Docket Number

BOEI-1-1211

ENCLOSURES

(Check all that apply)



Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement

Supplemental



Certified Copy of Priority Document(s)



Reply to Missing Parts/
Incomplete Application



Reply to Missing Parts
under 37 CFR 1.52 or 1.53



Drawing(s)



Licensing-related Papers



Petition



Petition to Convert to a
Provisional Application



Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____

Landscape Table on CD



After Allowance Communication to TC



Appeal Communication to Board
of Appeals and Interferences



Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)



Proprietary Information



Status Letter



Other Enclosure(s) (please identify
below):

Check No. 15705 for \$180;
Cited Non-Patent Reference (6);
Return Receipt Postcard

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Black Lowe & Graham, PLLC

Signature

Printed name

Mark S. Beaufait

Date

December 29, 2005

Reg. No.

48,529

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

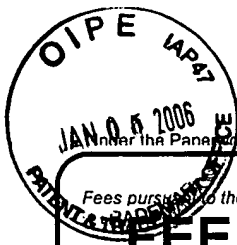
Wendy Saxby

Date

1/3/06

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	10/676,302
Filing Date	September 30, 2003
First Named Inventor	Shelley, Paul H.
Examiner Name	Gabor, Otilia
Art Unit	2878
Attorney Docket No.	BOEI-1-1211

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):

☒ Deposit Account Deposit Account Number: 501050 Deposit Account Name: Black Lowe & Graham, PLLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below

☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17

☒ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims Extra Claims Fee (\$) Fee Paid (\$) Multiple Dependent Claims

- 20 or HP = x = Fee (\$) Fee Paid (\$)

HP = highest number of total claims paid for, if greater than 20

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)

- 3 or HP = x =

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)

- 100 = / 50 = (round up to a whole number) x =

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Supplemental Information Disclosure Statement Late Fee

Fees Paid (\$)

\$180.00

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	48,529	Telephone	206.381.3300
Name (Print/Type)	Mark S. Beaufait			Date	December 29, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/676,302
Filing Date	September 30, 2003
First Named Inventor	Shelley, Paul H.
Art Unit	2878
Examiner Name	Gabor, Otilia
Attorney Docket Number	BOEI-1-1211

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 3,017,512	01-16-1962	Wolbert et al.	
		US- 3,994,586	11-30-1996	Sharkins et al.	
		US- 4,703,187	10-27-1987	Hoffling et al.	
		US- 4,748,329	05-31-1988	Cielo et al.	
		US- 4,800,279	01-24-1989	Hieftje et al.	
		US- 5,091,647	02-25-1992	Carduner et al.	
		US- 5,289,266	02-22-1994	Shih et al.	
		US- 5,573,952	11-12-1996	Moessner	
		US- 6,675,029	01-06-2004	Monfre et al.	
		US- 6,697,654	02-24-2004	Lorenz et al.	
		US- 6,734,962	05-11-2004	Treado et al.	
		US- 6,794,651	09-21-2004	Shelley et al.	
		US- 6,853,926	02-08-2005	Alfano et al.	
		US- 6,895,360	05-17-2005	Liu et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 2004/048888	06-10-2004	Shelley et al.		
		FR2680240	02-12-1993	Philippe		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/676,302
Sheet	2	Filing Date	September 30, 2003
	of	First Named Inventor	Shelley, Paul H.
	2	Group Art Unit	2878
		Examiner Name	Gabor, Otilia
		Attorney Docket Number	BOEI-1-1211

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Standard Guide for Preparation of Aluminum Surfaces for Structural Adhesives Bonding (Phosphoric Acid Anodizing), ASTM International Designation: D 3933-98, Copyright 2003, pgs. 3-4, American Society for Testing and Materials, 100 Barr Harbor Dr., West Conshohocken, PA 19428	
		Palovic, et al., "Optical and Microstructural Properties of Anodically Oxidized Aluminum", Elsevier Sequoia, Thin Solid Films 138, pp. 97-109, 1986.	
		Laet, et al., "Development of an Optical Model for Steady State Porous Anodic Films on Aluminum Formed in Phosphoric Acid", Elsevier, Thin Solid Films, 320, pp. 241-252, 1998.	
		Anicai, "Analysis of Electrochemical Colored Aluminum Anodic Films in AgNO ₃ -Based Electrolytes by Diffuse Reflectance Spectra", Elsevier Science, Inc., Metal Finishing, pp. 10-13, 1998.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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